


PATENT 29479/500NSCA

IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE

Applicant(s):	)	I hereby certify that this paper
	)	and all documents referred to
Yoshida et al.	)	therein as being enclosed are
	)	being deposited with the
Serial No.: unassigned	)	United States Postal Service
	)	on August 24, 2001, in an
Filed: August 24, 2001	)	envelope addressed to the
	)	Assistant Commissioner for
For: "Phenylalanine Ammonia Lyase	)	Patents, Washington, D.C.
Polypeptide and Polynucleotide	)	20231 utilizing the "Express
Sequences and Methods of Obtaining	)	Mail Post Office to
and Using Same"	)	Addressee" service of the
	)	United States Postal Service
Attorney Docket No.:	)	under Mailing Label No.
29479/500NSCA	)	EL564462110US
	)	
Group Art Unit: unassigned	)	
	)	
Examiner: unassigned	)	Michael Hauman
	)	
	)	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The patents and/or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 CFR §§ 1.56, 1.97, and 1.98. Copies of the patents or publications are enclosed as necessary.

### TIME OF FILING

This information disclosure statement is being filed:

- ☒ 1. with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or, to the best of the undersigned's knowledge, before the mailing date of a first Office Action on the merits, whichever event occurs last. In accordance with 37 CFR §1.97(b), no certification or fee is required.
- ☐ 2. after the time period specified in paragraph 1 above, but, to the best of the undersigned's knowledge, before the mailing date of a final action under 37 CFR §1.113 or notice of allowance under 37 CFR §1.311. Therefore, in accordance with 37 CFR §1.97(c), submitted herewith is:
- (check either A or B below)
- A. ☐ a certification as specified in 37 CFR §1.97(e).
- B. ☐ the fee set forth in 37 CFR §1.17(p) for submission of an information disclosure statement under 37 CFR §1.97(c).
- ☐ 3. after the mailing date of either a final action under 37 CFR §1.113 or a notice of allowance under 37 CFR §1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant submits herewith:
- A. a certification as specified in 37 CFR §1.97(e);
- B. the petition fee set forth in 37 CFR §1.17(i); and
- C. the accompanying petition under 37 CFR §1.97(d).

### METHOD OF PAYMENT

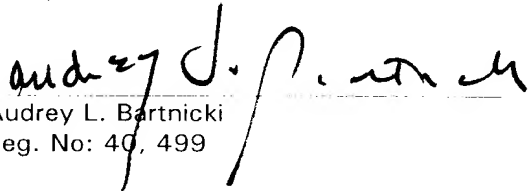
- ☒ No fee is required.
- ☐ Attached is a check in the amount of \$\_.

The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 13-2855. A copy of this paper is enclosed.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN  
6300 Sears Tower  
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Chicago, Illinois 60606-6402  
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By:

  
Audrey L. Bartnicki  
Reg. No: 40, 499

August 24, 2001

Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

29479/  
500NSCA

Serial No.

unassigned

J1040 U.S. PTO  
09/939408

08/24/01

**INFORMATION DISCLOSURE STATEMENT***(Use several sheets if necessary)*

Applicant

Yoshida et al.

Filing Date

August 24, 2001

Group

unassigned

**U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	A1	4,436,813	03/13/84	Wood et al.			
	A2	4,574,117	03/04/86	Vollmer et al.			
	A3	4,598,047	07/01/86	McGuire			
	A4	4,600,692	07/15/86	Wood et al.			
	A5	4,636,466	01/13/87	McGuire et al.			
	A6	4,728,611	03/01/88	Wood et al.			
	A7	4,732,851	03/22/88	Wood et al.			
	A8	4,757,015	07/12/88	Orndorff et al.			
	A9	4,584,273	04/22/86	Finkelman et al.			
	A10	5,981,239	11/09/99	Liu			

**FOREIGN PATENT DOCUMENTS**

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	0 167 411	08/01/86	EP				
	B2	WO 88/02024	03/24/88	PCT				
	B3	WO 93/07279	04/15/93	PCT				

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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							Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

	C1	Clara M. Ambrus, <i>et al.</i> , "Phenylalanine Depletion for the Management of Phenylketonuria: Use of Enzyme Reactors with Immobilized Enzymes," <i>Science</i> , 201:837-839, (1978)
	C2	John G. Anson, <i>et al.</i> , "Complete nucleotide sequence of the <i>Rhodospiridium toruloides</i> gene coding for phenylalanine ammonia-lyase," <i>Gene</i> , 58:189-199 (1987)
	C3	Godwin B. D'Cunha, <i>et al.</i> , "Stabilization of phenylalanine ammonia lyase containing <i>Rhodotorula glutinis</i> cells for the continuous synthesis of L-phenylalanine methyl ester/96/," <i>Enzyme and Microbial Technology</i> , 19:421-427, 1996
	C4	Don R. Durham, <i>et al.</i> , "Dissimilation of Aromatic Compounds in <i>Rhodotorula graminis</i> : Biochemical Characterization of Pleiotropically Negative Mutants," <i>Journal of Bacteriology</i> , 160:771-777, (1984)
	C5	Christopher T. Evans, <i>et al.</i> , "BioConversion of Trans-Cinnamic Acid to L-Phenylalanine in an Immobilized Whole Cell Reactor," <i>Biotechnology and Bioengineering</i> , 30:1067-1072 (1987)
	C6	James D.B. Faulkner, <i>et al.</i> , "High-level expression of the phenylalanine ammonia lyase-encoding gene from <i>Rhodospiridium toruloides</i> in <i>Saccharomyces cerevisiae</i> and <i>Escherichia coli</i> using a bifunctional expression system," <i>Gene</i> , 143(1):13-20 (1994)

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**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

C7	David Filpula, <i>et al.</i> , "Nucleotide sequence of gene for phenylalanine ammonia-lyase for <i>Rhodotorula rubra</i> ," <i>Nucleic Acids Research</i> , 16:11381 (1988)
C8	Andreas Gloge, <i>et al.</i> , "Phenylalanine Ammonia-Lyase: The Use of Its Broad Substrate Specificity for Mechanistic Investigations and Biocatalysis – Synthesis of L-Arylalanines," <i>Chem. Eur. J.</i> 6:18, 3386-3390 (2000)
C9	Daniel S. Hodgins, "Yeast Phenylalanine Ammonia-lyase," <i>The Journal of Biological Chemistry</i> , 246 (9):2977-2983 (1971)
C10	Katsuhiko Nakamichi, <i>et al.</i> , "Induction and Stabilization of L-Phenylalanine Ammonia-Lyase Activity in <i>Rhodotorula glutinis</i> ," <i>Eur. J. Appl. Microbiol. Biotechnol.</i> , 18:158-162 (1983)
C11	Derwent Abstract 85-095789 (Abstract to JP 83-151415)
C12	JAPIO Abstract 81-026197 (Abstract to JP 56-26197)
C13	JAPIO Abstract 88-148992 (Abstract to JP 63-148992)
C14	GenBank Accession Numbers x13094 and x13095
C15	GenBank Accession Numbers x51513

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